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Corps' ERDC-TEC Signs New CRADA for Spectral Imaging

A new Cooperative Research and Development Agreement (CRADA) was recently signed between the U.S. Army Corps of Engineers' Engineer Research and Development Center's (ERDC) Topographic Engineering Center (TEC), Alexandria, Va., and Flight Landata, Inc., of Lawrence, Mass. The CRADA will provide advances in spectral imaging for both military and civilian applications. ERDC-TEC has provided leadership to the spectral imaging community for many years.

Flight Landata, Inc., is a high technology, small business specializing in remote sensing. The firm has more than 7 years of corporate experience in providing thematic data acquisition services and innovative hyperspectral/multispectral airborne imaging systems for government and industrial customers. The company supports remote sensing applications in

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agriculture, forestry, environmental study, GIS, mapping, defense, scientific research, light and heavy industry, as well as a multitude of other terrestrial and oceanographic science applications.

The overall goal of the CRADA is to develop a hardware/software combination that can be incorporated into the commercial system for Flight Landata, Inc., to market. A critical element in experiment design for both partners is that the imagery has dual use applications. Elements of experiment design from a military use include a myriad of items related to target identification and selection. The performance goal is to solve the problems in pseudo real-time, and using current off-the-shelf hardware and software.

The ERDC is the premier research and development facility for the Corps. It consists of seven laboratories at four geographical sites, with more than 2,000 employees, \$1.2 billion in facilities, and an annual research program exceeding \$550 million. It conducts research in both military and civil works mission areas for the Department of Defense and the nation.